

FIG. 1

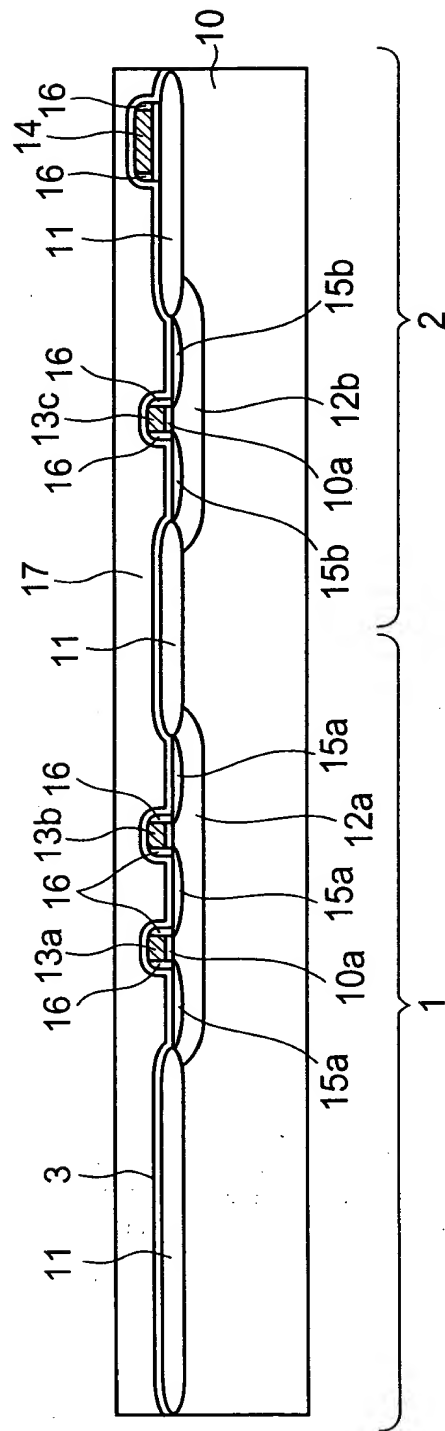


FIG. 3

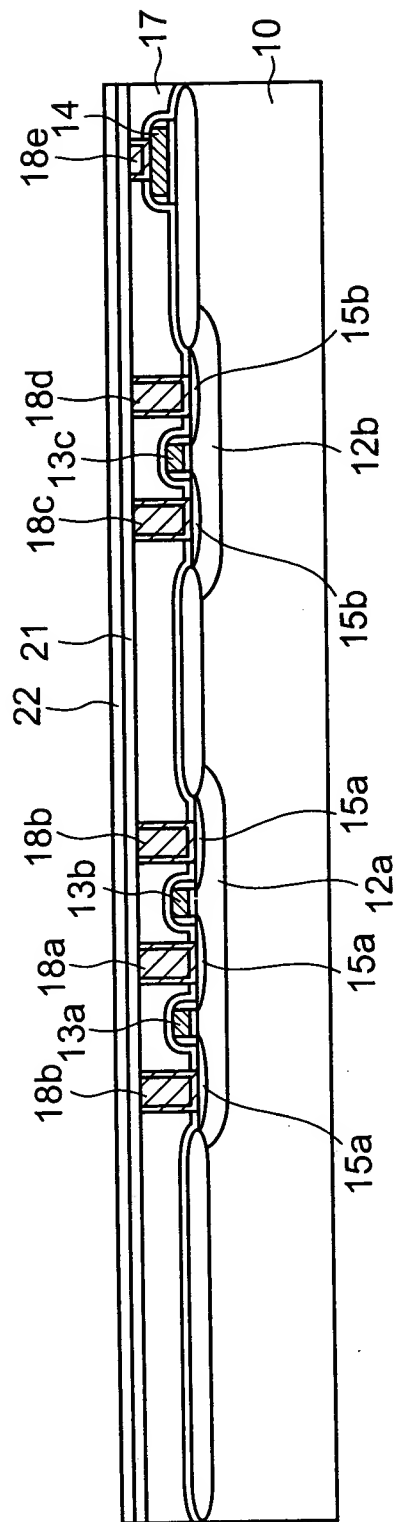
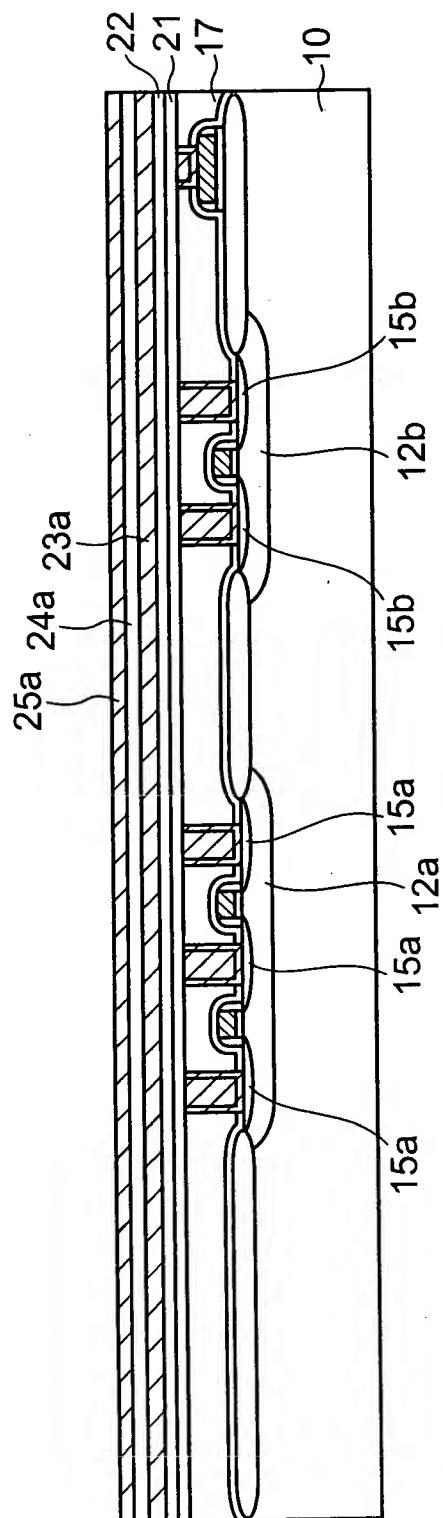


FIG. 4



Q Capacitor

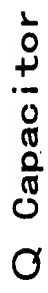


FIG. 6

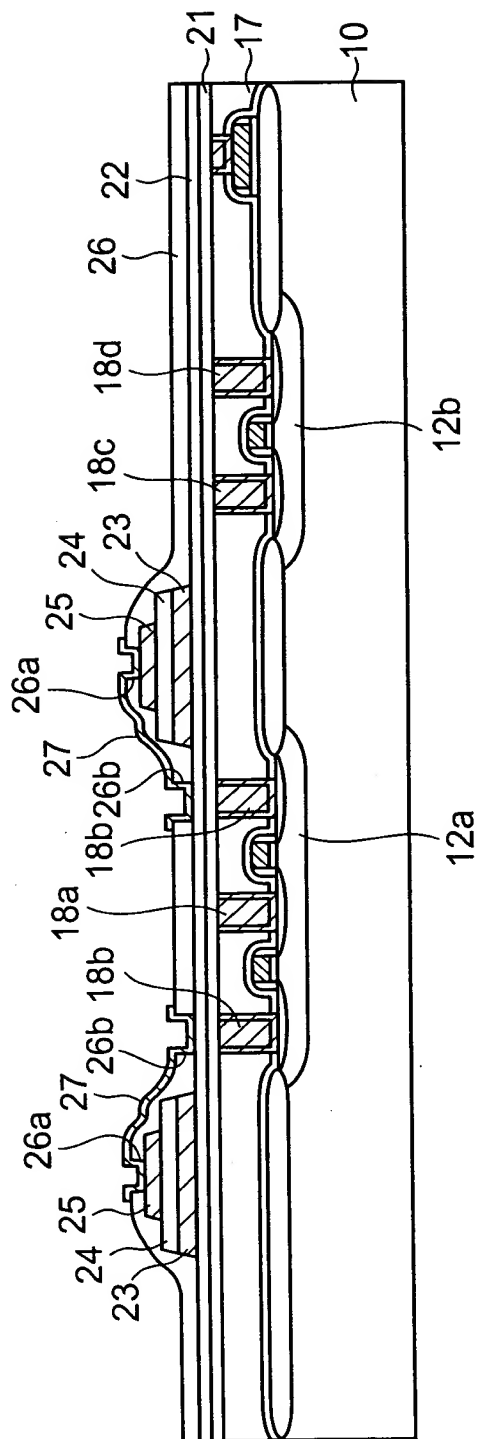


FIG. 7

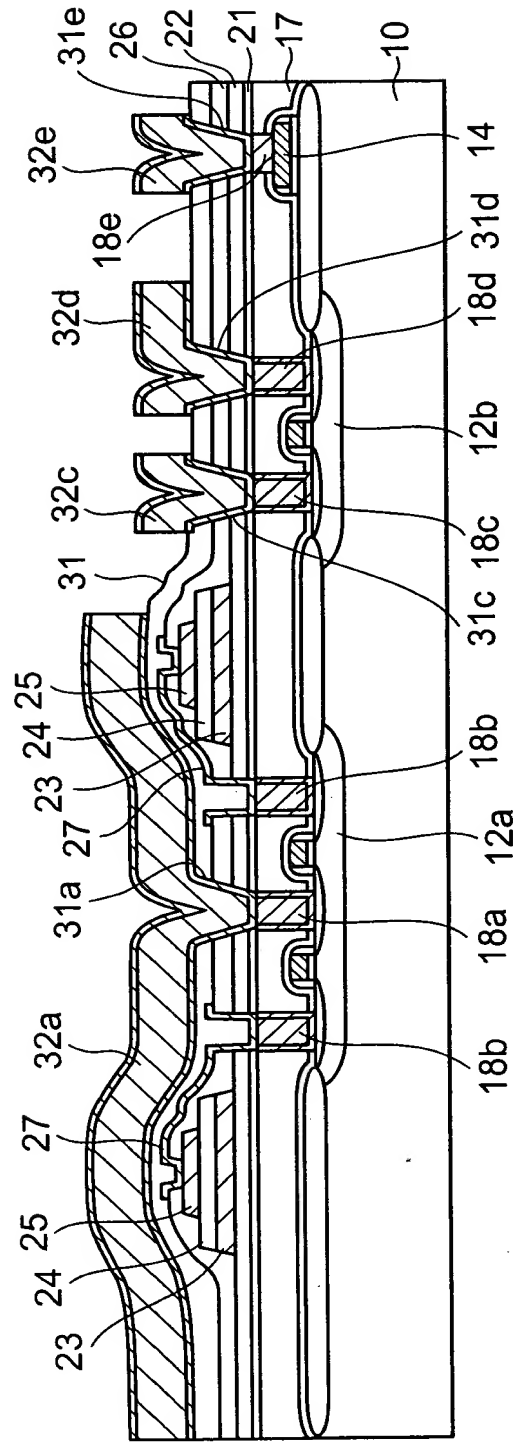


FIG. 8

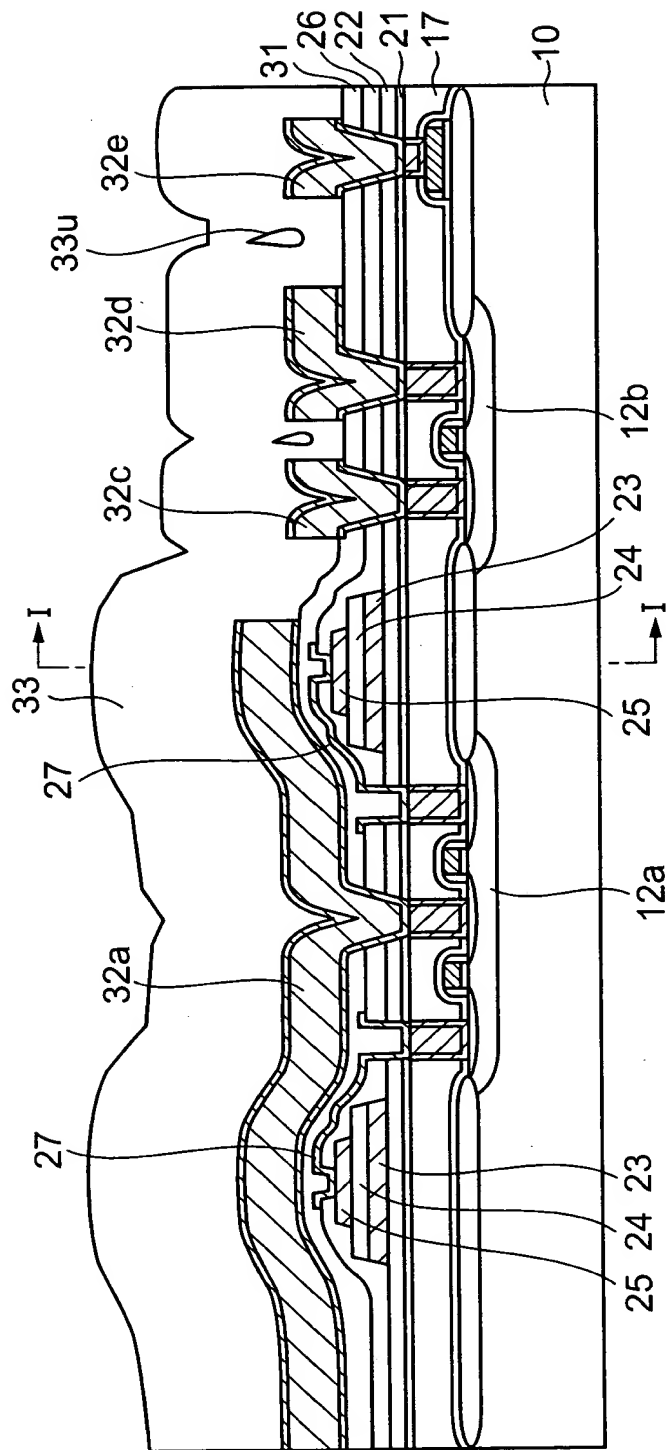


FIG. 9

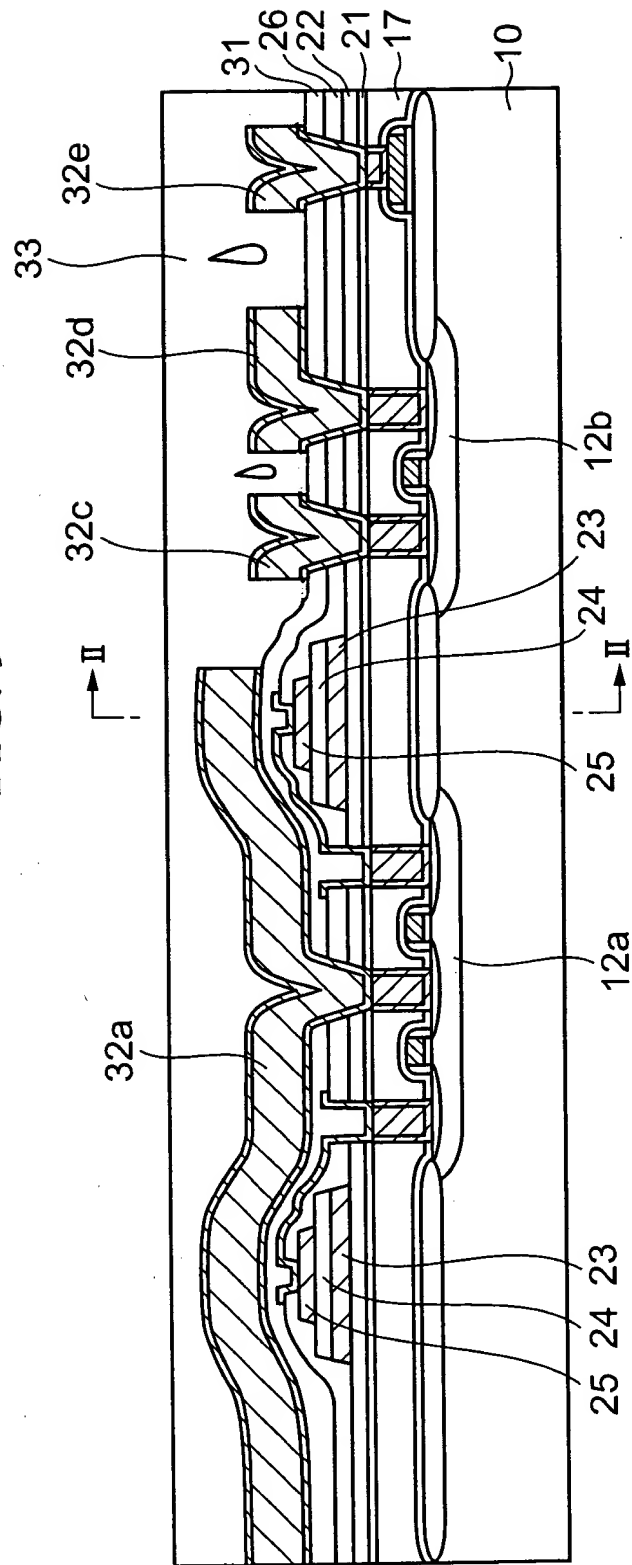


FIG. 10

$(N_2O+N_2)O_2$ Plasma

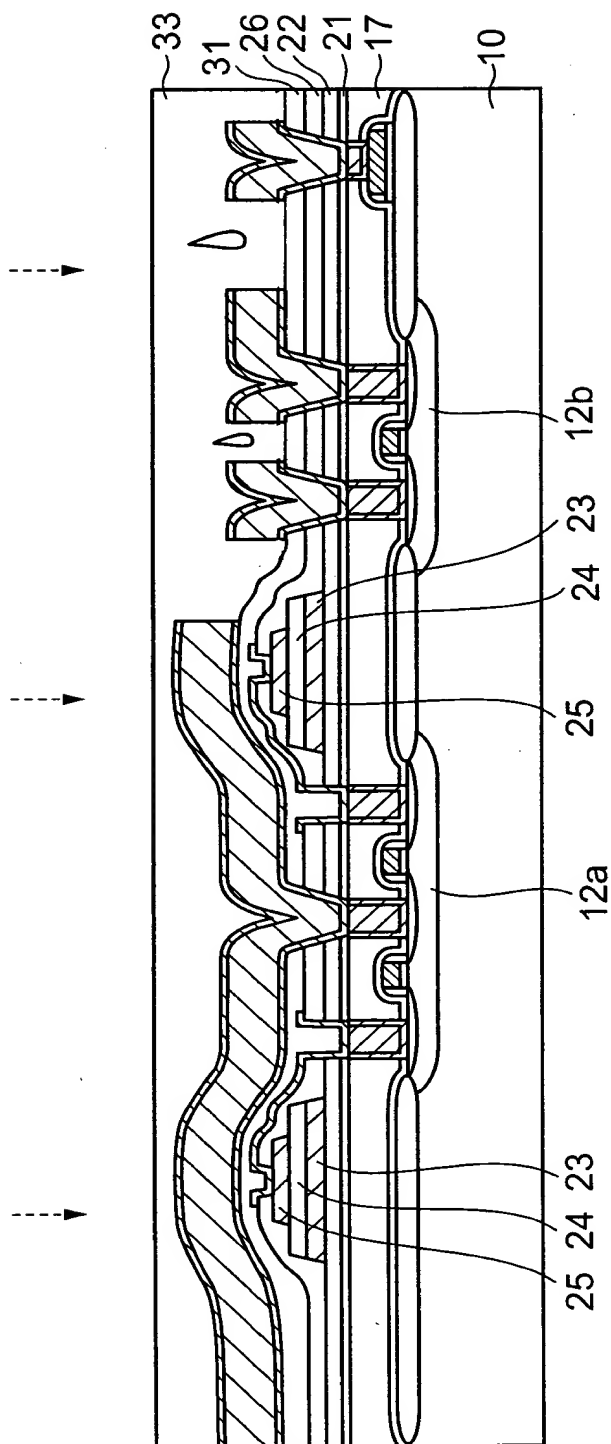


FIG. 11

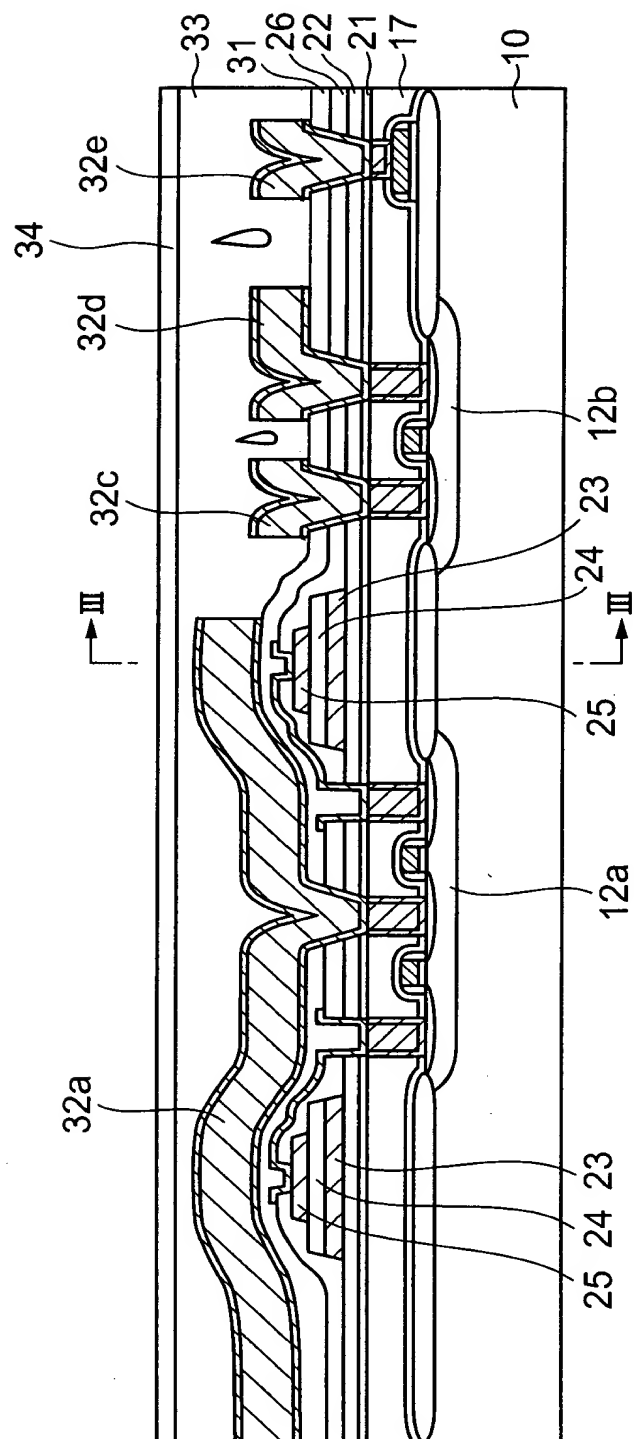


FIG. 12

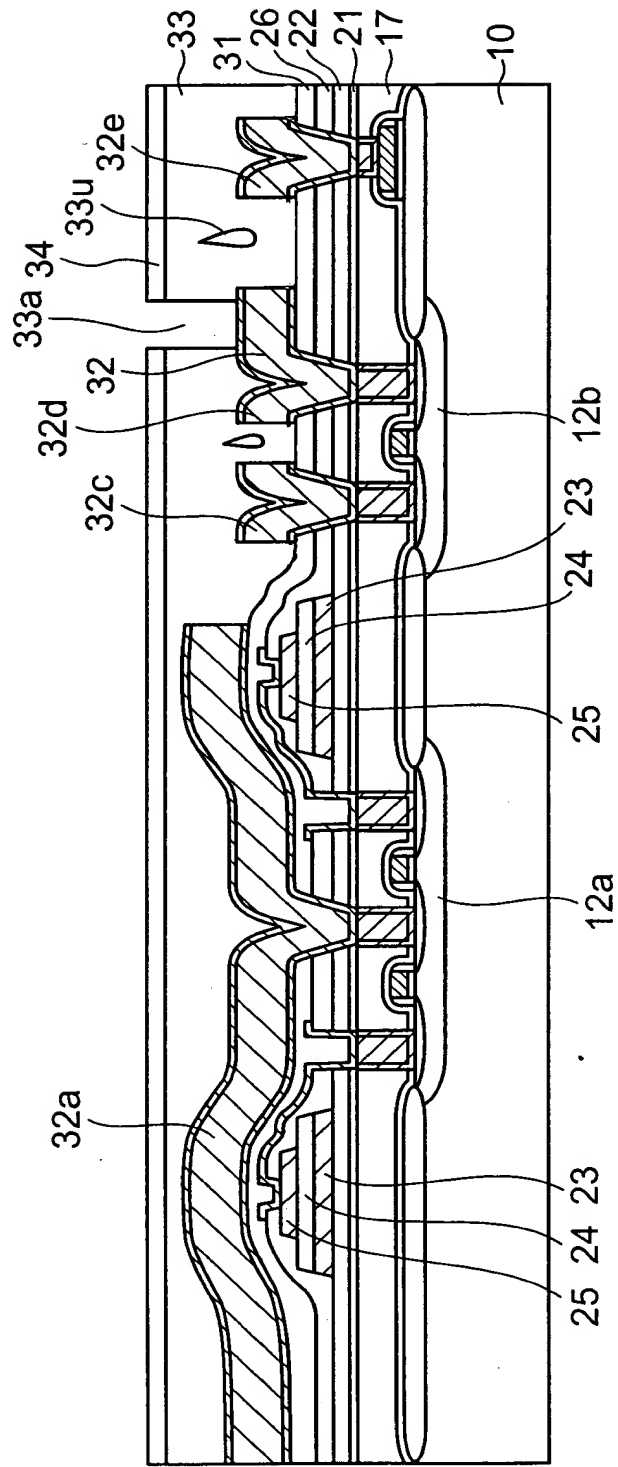


FIG. 13

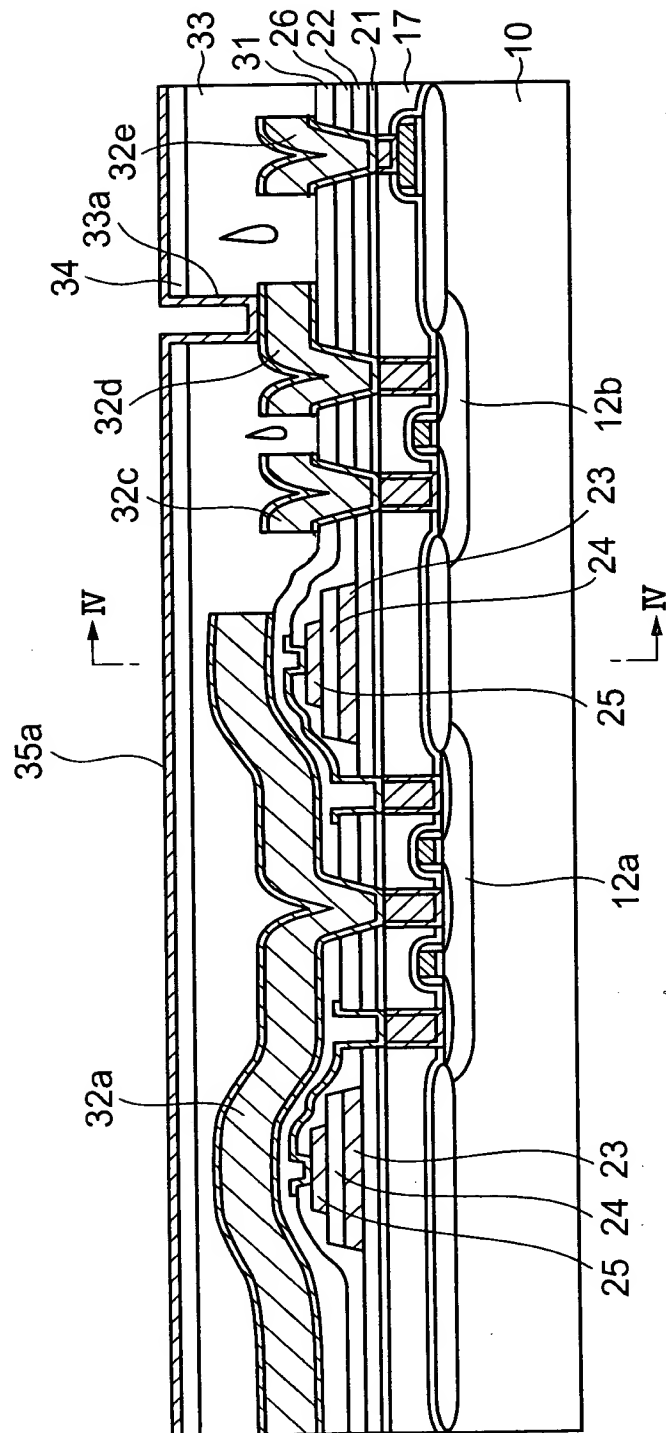


FIG. 14

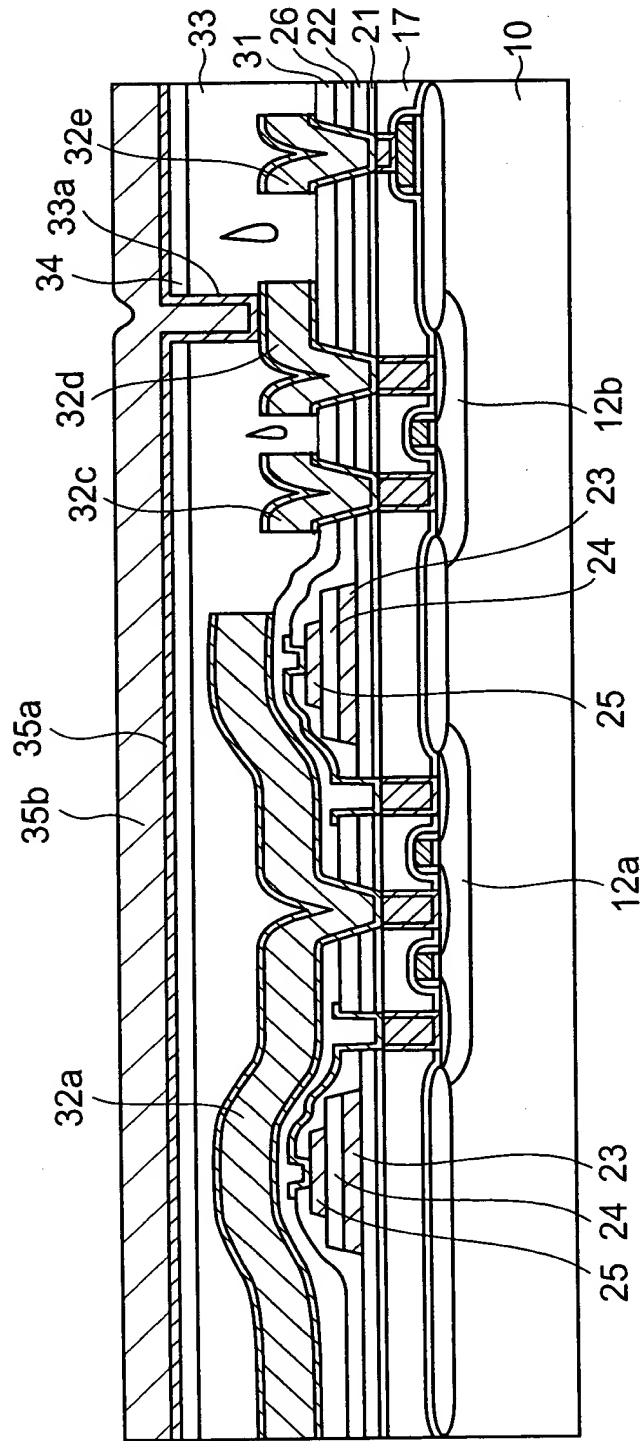


FIG. 15

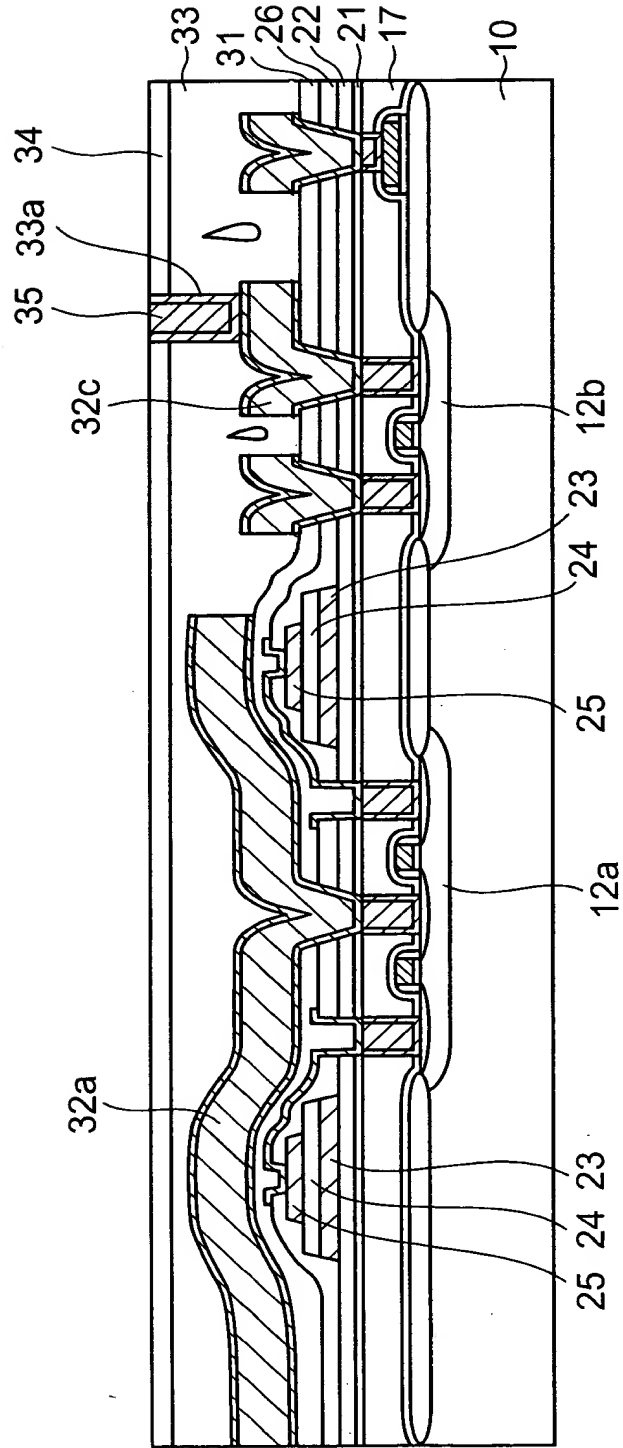
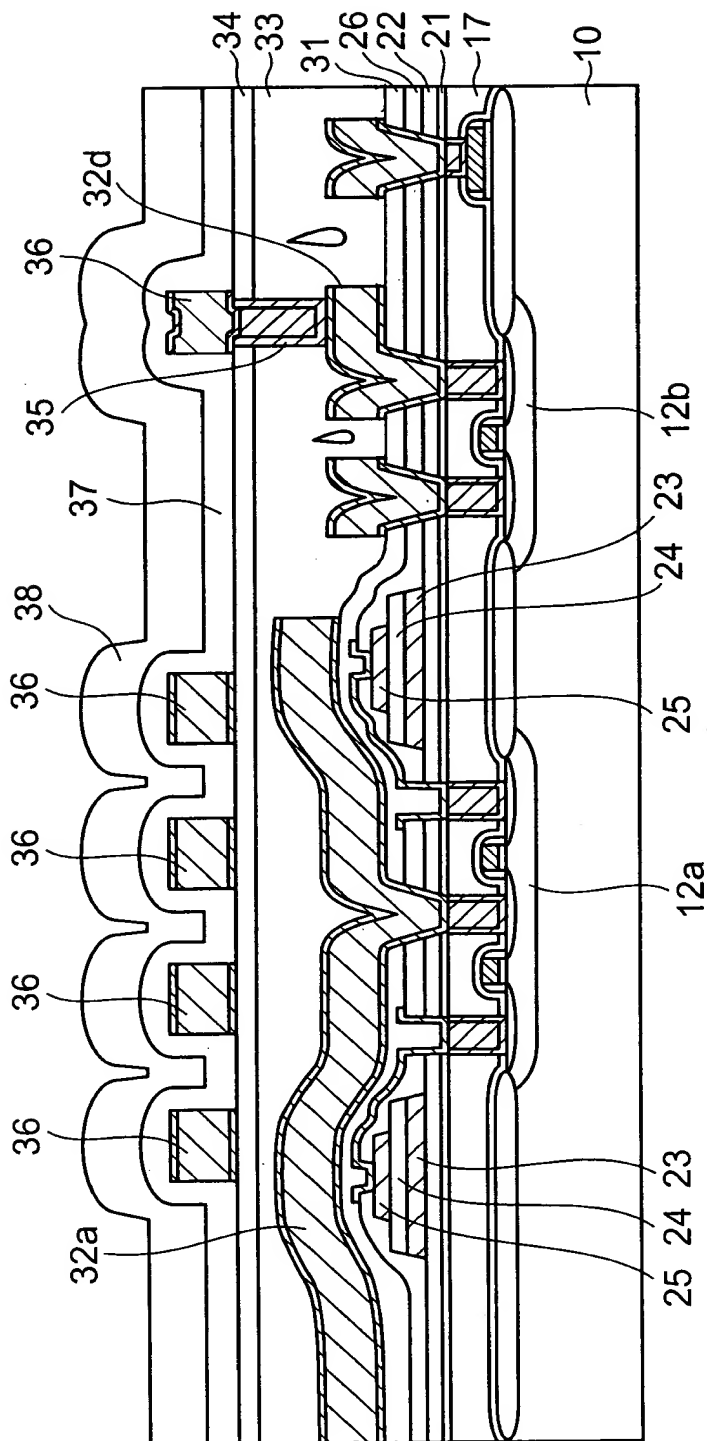
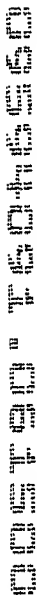


FIG. 16



1. The first part of the paper is devoted to the study of the asymptotic behavior of the solutions of the system (1) as $\epsilon \rightarrow 0$. It is shown that the solutions of the system (1) converge to the solutions of the system (2) in the sense of the weak convergence in the space $L^2(\Omega; \mathbb{R}^n)$.



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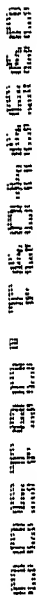


FIG. 17C

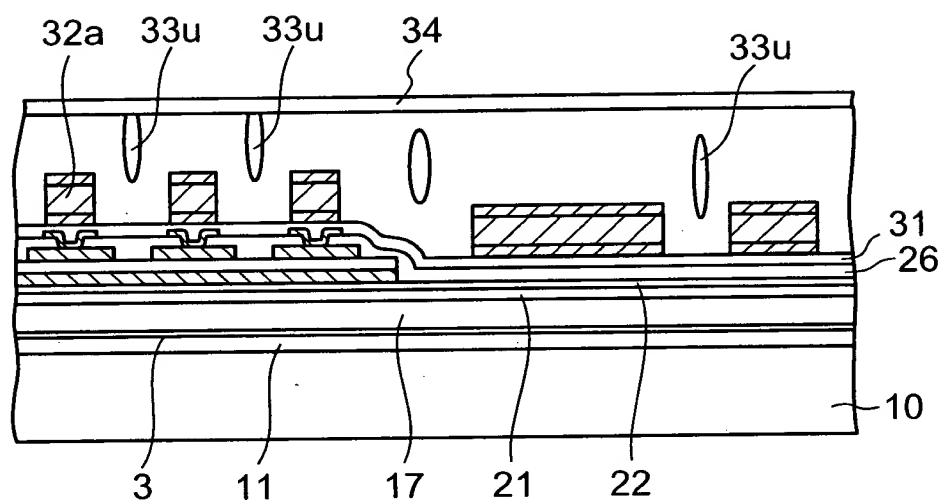


FIG. 17D

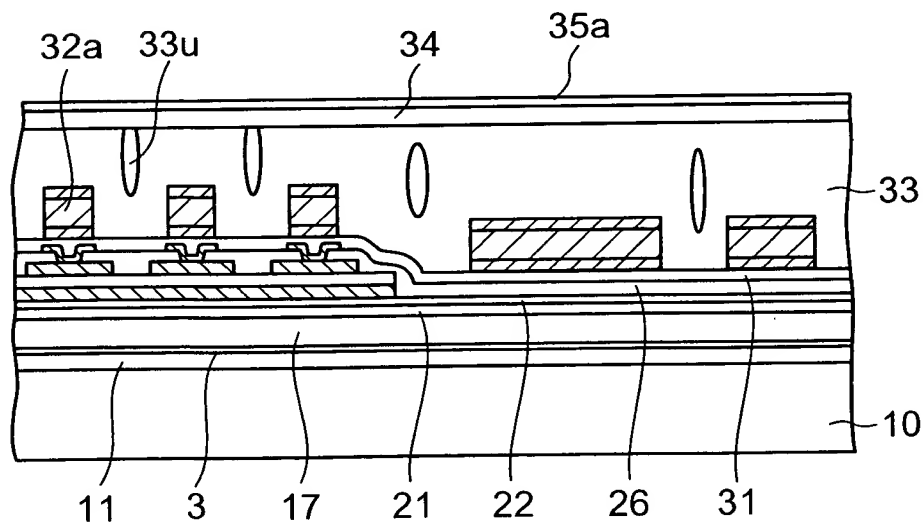


FIG. 18A

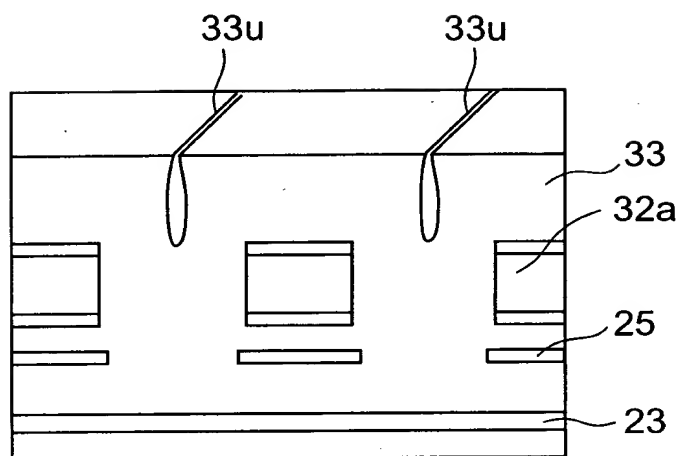
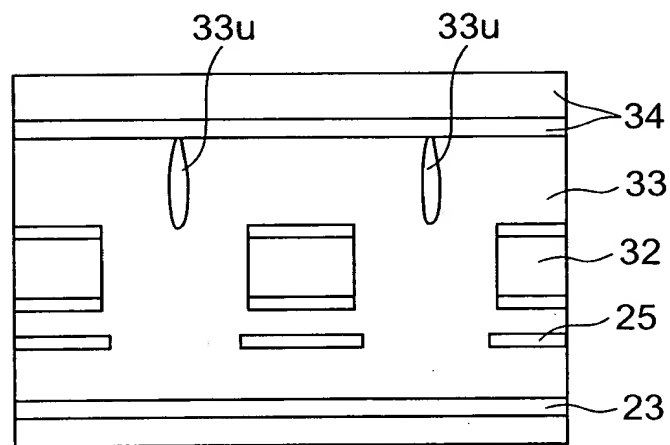


FIG. 18B



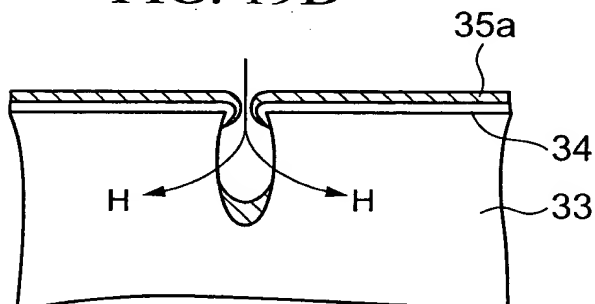
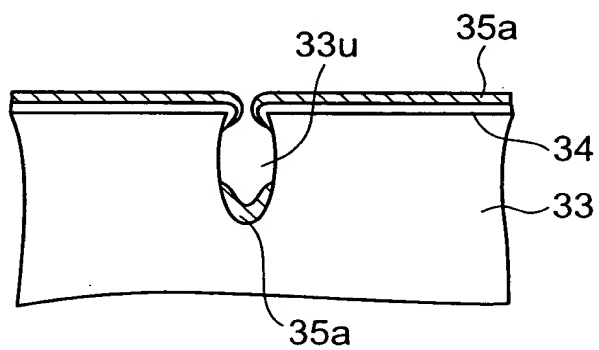
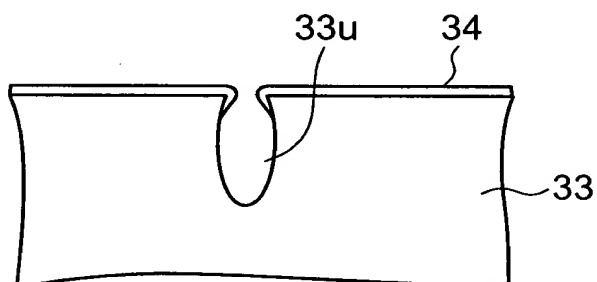
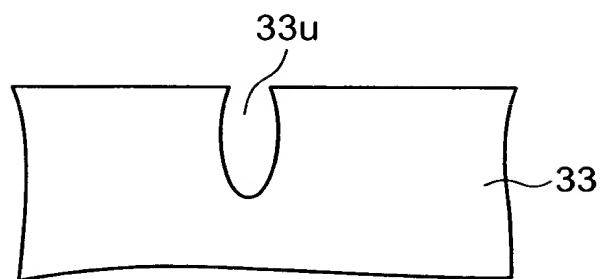


FIG. 20

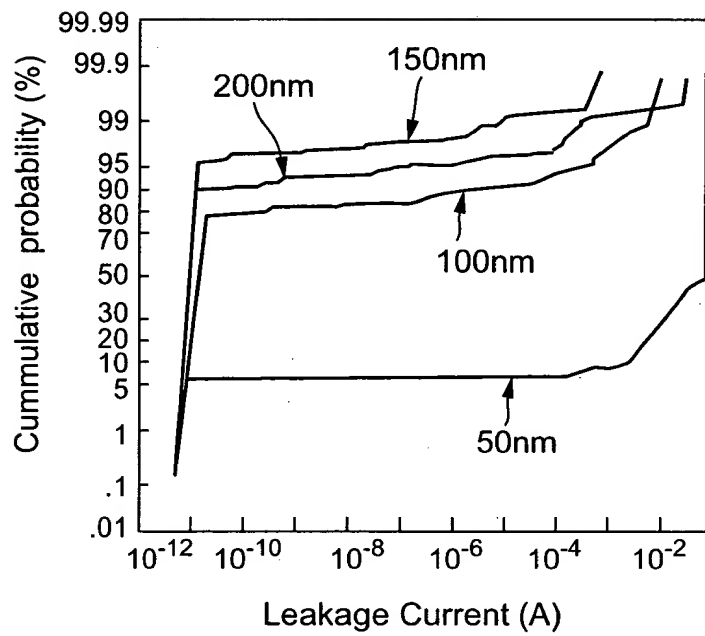


FIG. 21

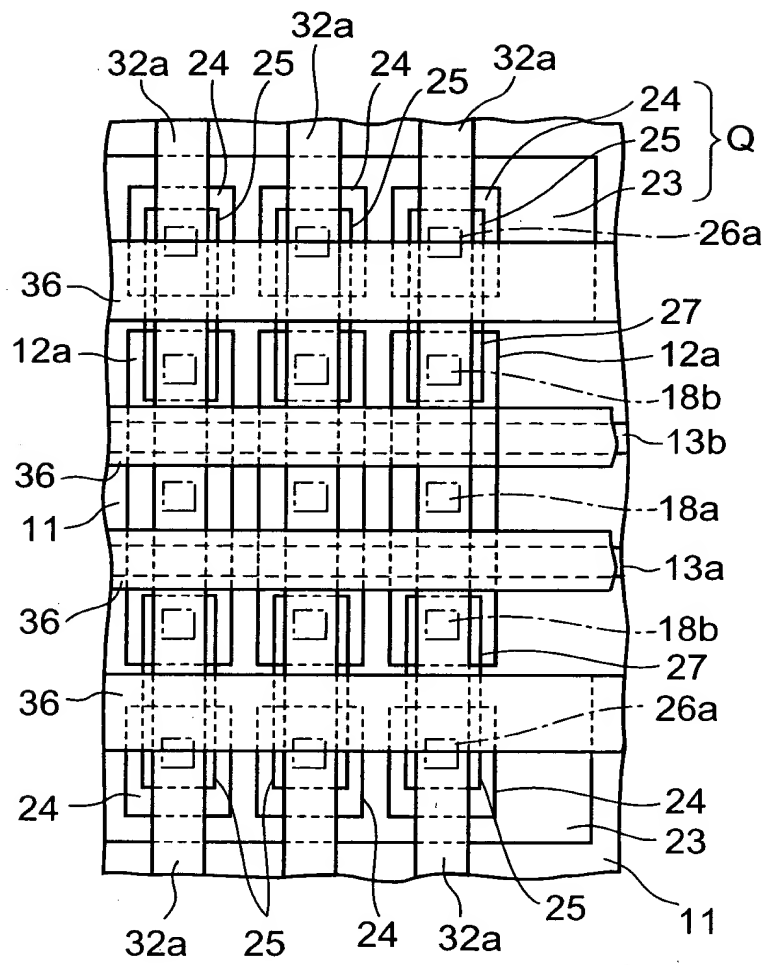


FIG. 22

